

**Amendments to the Claims:**

**Listing of the Claims:**

1. (Previously presented) Flexible tube head (40, 40') formed of a plastic material, the head including an opening defined by an edge (41, 41') and a shoulder (42, 42') connecting the edge to a flexible skirt of a flexible tube for packaging a product, the tube head comprising an electronic component (20, 20') intended to exchange information about the tube and/or its contents with a read or read/write device outside of the tube without any electrical contact, the electronic component being set within the plastic material forming the tube head such that there is no adhesive material in contact with the packaged product.

2. (Previously presented) Tube head according to claim 1 including a pivoting cap formed of a plastic material for closing the opening and in which the electronic component is set within the plastic material forming the cap.

3. (Withdrawn) Tube head according to claim 1, in which the electronic component is placed at the level of the shoulder of the tube within the plastic material forming the head.

4. (Previously presented) Tube head according to claim 1, in which the total thickness of the electronic component is less than 400 microns.

5. (Previously presented) Tube head according to claim 1, in which the electronic component includes a support (21, 21') having a periphery, the periphery of the support (21, 21') enclosed by the plastic material forming the head.

6. (Previously presented) Tube head according to claim 1, in which the support (21, 21') of the component comprises a material that is melt-compatible with the plastic material forming the head.

7. (Original) Tube head according to claim 6, in which the support of the component is made of polyethylene or polypropylene.

8. (Previously presented) Tube head according to claim 6, in which the material that is melt-compatible with the plastic material of the head is an external layer that forms part of an inner wall of the shoulder of the tube.

9. (Previously presented) Method for manufacturing a flexible tube head characterized in that it uses an electronic component (20, 20') capable of exchanging information with a read or read/write device with no electrical contact comprising: (a) depositing the electronic component inside a cavity (17) of a mold for forming the head, the electronic component being held inside the cavity of the mold for forming the head without use of adhesive material, and (b) molding the head, the plastic material flowing so as to embed the electronic component within the plastic material.

10. (Previously presented) Method according to claim 9 in which the head is molded by injection molding.

11. (Canceled)

12. (Previously presented) Method according to claim 9, in which the electronic component is deposited on a convex conical surface (11) of a mandrel (10) of the mold, the mold being arranged such that the mandrel (10) is underneath the die (16).

13. (Previously presented) Method according to claim 9, in which the electronic component (20, 20') has a support (21, 21') comprising an external layer made of a plastic material that is melt-compatible with the plastic material of the head and in which the electronic component is deposited on the convex conical surface (11) of the head of the mandrel (10) with the external layer opposite the convex conical surface of the mandrel.

14. (Previously presented) Method according to claim 9, in which the electronic component (20') has a support in the shape of a disk with a hole at its center and in that the electronic component is placed around the projection (14) of the mandrel used to shape an inner surface of a neck.

15. (Previously presented) Flexible tube including a head and a flexible skirt, comprising the tube head of claim 1.

16. (Previously presented) Method for manufacturing a flexible tube provided with a head (40) and a skirt (30) in which the head is overmolded on an end (31) of the skirt, comprising (a) fitting the skirt around a mandrel of a mold, and (b) operating the mold so that the end (31) of the skirt overflows and is contained in a mold cavity (17) delimited by a head (11) of a mandrel (10) and a cavity of a die (16), characterized in that an electronic component (20) for exchanging, without electrical contact, information with a read or read/write device is deposited on the head (11) of the mandrel (10) in contact with the end (31) of the skirt (30) that overflows into the mold cavity (17).

17. (Previously presented) Tube head according to claim 1 in which the electronic component is an RFID-type electronic component.

18. (Previously presented) Method according to claim 9 in which the electronic component is an RFID-type electronic component.

19. (Previously presented) Method according to claim 16 in which the electronic component is an RFID-type electronic component.